

Title (en)
Diffraction optical element

Title (de)
Diffraktives optisches Element

Title (fr)
Élément optique diffractif

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Application
EP 00306401 A 20000727

Priority
JP 21337499 A 19990728

Abstract (en)
A diffraction optical element wherein a plurality of diffraction gratings formed of at least two kinds of materials differing in dispersion are laminated, at least two of the plurality of diffraction gratings are formed on a curved surface and adjacent to each other, and these two adjacent diffraction gratings are equal to each other in the shape of a curved tip plane in which the tips of respective grating portions are ranged. <IMAGE>

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IPC 8 full level
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G02B 27/4216 (2013.01 - EP US); **G02B 27/4277** (2013.01 - EP US)

Cited by
DE102005036633A1; EP1635197A4; DE102006061066B4; CN107076380A; US6873463B2; EP1193512A3; EP1279992A3; EP2813882A4;
US7262915B2; US7453643B2; US10174900B2; WO2008077533A1; WO2017102600A1; WO2016037789A1; US6947214B2; US9658471B2;
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